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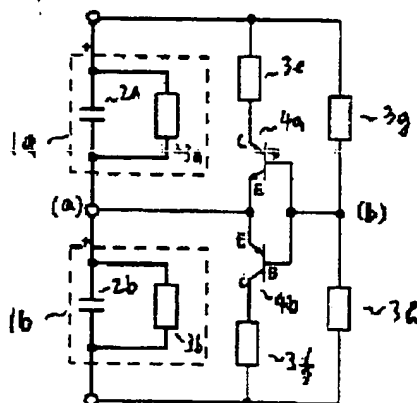
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TITLE : VOLTAGE-DIVIDING CIRCUIT WITH
SERIAL CAPACITOR BODY



ABSTRACT : PROBLEM TO BE SOLVED: To enable use of an electrolytic capacitor having a low withstand voltage by adding a simple electrical circuit, setting a high resistance value for voltage division, in order to take a voltage balance of the serial bodies of electrolytic capacitors, and suppressing heating from a voltage-dividing resistor, thereby reducing the size of the circuit.

SOLUTION: A collector of an NPN transistor 4a is connected to a positive pole of a capacitor 1a through a resistor 3e, an emitter of the NPN transistor 4a is connected to a negative pole of a capacitor 1a, and a resistor 3g is connected between the positive pole of the capacitor 1a and a base of the NPN transistor 4a. A collector of a PNP transistor 4b is connected to the negative pole of a capacitor 1b through a resistor 3f, an emitter of the PNP transistor is connected to a positive pole of the capacitor 1b, and a resistor 3h is connected between the negative pole of the capacitor 1b and the base of the PNP transistor 4b. Moreover, the emitters of the NPN transistor 4a and the PNP transistor 4b are connected to each other and as their bases are also connected each other as well.

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